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A study of local crankshaft-type mobility in vitreous polyvinyl chloride and polyacrylonitrile by the method of conformational probes

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Abstract

Secondary relaxation transitions and local conformational dynamics in polyacrylonitrile and polyvinyl chloride were studied by the method of conformational probes. Relaxation transitions at 210 and 260 K (polyvinyl chloride) and 165 K (polyacrylonitrile) were explained by freezing of "crankshaft-type" motions. © 2009 Pleiades Publishing, Ltd.

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